

## Refine Search

### Search Results -

Terms	Documents
L6 and 562/\$	10

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L7





### Search History

DATE: Tuesday, December 20, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L7</u>	L6 and 562/\$	10	<u>L7</u>
<u>L6</u>	L5 and (metal hydroxide or potassium hydroxide or sodium hydroxide)	396	<u>L6</u>
<u>L5</u>	L4 and ph and monobasic	837	<u>L5</u>
<u>L4</u>	L3 and complex	33310	<u>L4</u>
<u>L3</u>	L2 and (glutam\$6 or aspart\$7)	55750	<u>L3</u>
<u>L2</u>	L1	508578	<u>L2</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	zn or mg OR FE OR CU OR MN	508578	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 6888022 B2

Using default format because multiple data bases are involved.

L7: Entry 1 of 10

File: USPT

May 3, 2005

US-PAT-NO: 6888022

DOCUMENT-IDENTIFIER: US 6888022 B2

TITLE: Methods and compounds for inhibiting .beta.-amyloid peptide release and/or its synthesis

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Audia; James E.	Indianapolis	IN		
Britton; Thomas C.	Carmel	IN		
Droste; James J.	Indianapolis	IN		
Folmer; Beverly K.	Newark	DE		
Huffman; George W.	Carmel	IN		
John; Varghese	San Francisco	CA		
Latimer; Lee H.	Oakland	CA		
Mabry; Thomas E.	Indianapolis	IN		
Nissen; Jeffrey S.	Indianapolis	IN		
Porter; Warren J.	Indianapolis	IN		
Reel; Jon K.	Carmel	IN		
Thorsett; Eugene D.	Moss Beach	CA		
Tung; Jay S.	Belmont	CA		
Wu; Jing	San Mateo	CA		
Eid; Clark Norman	Cheshire	CT		
Scott; William Leonard	Indianapolis	IN		

US-CL-CURRENT: 560/155; 560/168, 560/41, 562/437, 562/455, 562/561, 564/152, 564/154, 564/155

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Abstract	Claims	KMC	Draw D
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☐ 2. Document ID: US 6806281 B2

L7: Entry 2 of 10

File: USPT

Oct 19, 2004

US-PAT-NO: 6806281  
DOCUMENT-IDENTIFIER: US 6806281 B2

TITLE: Analogs of cocaine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 6610743 B2

L7: Entry 3 of 10

File: USPT

Aug 26, 2003

US-PAT-NO: 6610743  
DOCUMENT-IDENTIFIER: US 6610743 B2

TITLE: Bicyclic metabotropic glutamate receptor ligands

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 6476263 B1

L7: Entry 4 of 10

File: USPT

Nov 5, 2002

US-PAT-NO: 6476263  
DOCUMENT-IDENTIFIER: US 6476263 B1

TITLE: Compounds for inhibiting .beta.-amyloid peptide release and/or its synthesis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6204292 B1

L7: Entry 5 of 10

File: USPT

Mar 20, 2001

US-PAT-NO: 6204292  
DOCUMENT-IDENTIFIER: US 6204292 B1

TITLE: Bicyclic metabotropic glutamate receptor ligands

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 5814435 A

L7: Entry 6 of 10

File: USPT

Sep 29, 1998

US-PAT-NO: 5814435  
DOCUMENT-IDENTIFIER: US 5814435 A

TITLE: Photographic composition having fixing capacity and a method for processing using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 7. Document ID: US 5543272 A

L7: Entry 7 of 10

File: USPT

Aug 6, 1996

US-PAT-NO: 5543272

DOCUMENT-IDENTIFIER: US 5543272 A

TITLE: Photographic composition having fixing capacity and a method for processing using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 8. Document ID: US 4983315 A

L7: Entry 8 of 10

File: USPT

Jan 8, 1991

US-PAT-NO: 4983315

DOCUMENT-IDENTIFIER: US 4983315 A

TITLE: N,N'-(1-oxo-1,2-ethanediyl)-bis(aspartic acid), salts and use in detergent compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 9. Document ID: US 4361703 A

L7: Entry 9 of 10

File: USPT

Nov 30, 1982

US-PAT-NO: 4361703

DOCUMENT-IDENTIFIER: US 4361703 A

TITLE: Para-amino(or nitro)phenyl N-acetylaminothioalkanoates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 10. Document ID: US 4166132 A

L7: Entry 10 of 10

File: USPT

Aug 28, 1979

US-PAT-NO: 4166132

DOCUMENT-IDENTIFIER: US 4166132 A

TITLE: Antiviral amine derivatives of glycerol and propanediols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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Terms

Documents

L6 and 562/\$

10

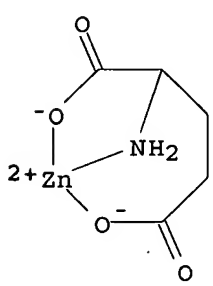
Display Format:

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d .:

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 15322-33-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX  
NAME)  
OTHER CA INDEX NAMES:  
CN Glutamic acid, zinc deriv. (6CI)  
CN L-Glutamic acid, zinc complex  
CN Zinc, (L-glutamato)- (7CI, 8CI)  
CN Zinc, [L-glutamato(2-)-N,O1,O5]-  
OTHER NAMES:  
CN Zinc glutamate (1:1)  
DR 93460-04-9  
MF C5 H7 N O4 Zn  
CI CCS, COM  
LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER, USPAT2, USPATFULL



14 REFERENCES IN FILE CA (1907 TO DATE)  
14 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

http://www.cas.org/infopolicy.html

=> s 15322-33-5

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L5 14 L4

=> s 15 and py<2002

21804355 PY<2002

L6 10 L5 AND PY<2002

=> d 1-10 ibib abs hitstr

L6 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:308987 CAPLUS

DOCUMENT NUMBER: 138:142307

TITLE: Study on the best conditions for preparation of zinc glutamate

AUTHOR(S): Li, Shangde; Li, Yi; Mo, Lier; Cheng, Hefeng; Guan, Xiongtai; Dongye, Guangzhi

CORPORATE SOURCE: Guangdong Medical College, Zhanjiang, 524023, Peop. Rep. China

SOURCE: Guangdong Weiliang Yuansu Kexue (2001), 8(12), 54-57

CODEN: GWYKF3; ISSN: 1006-446X

PUBLISHER: Guangdong Weiliang Yuansu Kexue Bianjibu

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

AB Zinc glutamate was synthesized from Na glutamate and ZnO, and characterized by elemental anal., molar conductivity and IR. The yield was 86% under the optimum synthetic conditions: molar ratio of Na glutamate to ZnO 1.2:1, reaction time 5 h, reaction temperature 90°C and crystallization time 7 h.

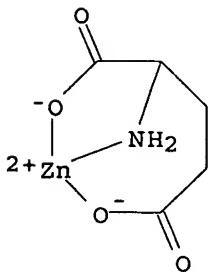
IT 15322-33-5P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(best conditions for preparation of zinc glutamate)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

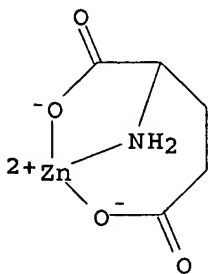
ACCESSION NUMBER: 1997:581169 CAPLUS

DOCUMENT NUMBER: 127:242377

TITLE: Synthesis and properties of amino acid zinc salt

AUTHOR(S): Zhang, Youming; Bai, Junfeng; Lu, Manqing; Lu, Airu

CORPORATE SOURCE: Institute of Chemistry, Northwest Teacher's  
University, Lanzhou, 730070, Peop. Rep. China  
SOURCE: Huaxue Shijie (1997), 38(2), 82-84  
CODEN: HUAKAB; ISSN: 0367-6358  
PUBLISHER: Shanghaishi Huaxue Huagong Xuehui  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese  
AB Zinc aspartate and zinc glutamate were prepared by refluxing L-aspartic acid  
and L-glutamic acid with zinc oxide (ZnO) (mol ratio of amino acid/zinc  
oxide = 1.25/1) in H2O at pH 7 for 5-6 h, resp. Their structure were  
determined by IR spectra and element anal. The title compds are good  
zinc-supplying drugs.  
IT 15322-33-5P, Zinc glutamate (1:1)  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(synthesis and properties of amino acid zinc salt)  
RN 15322-33-5 CAPLUS  
CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX  
NAME)

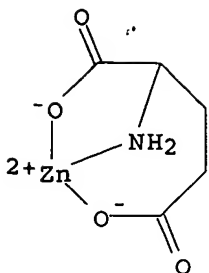


L6 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1995:994221 CAPLUS  
DOCUMENT NUMBER: 124:56710  
TITLE: Zinc-free extraction of glutamic acid  
INVENTOR(S): Sun, Yunju  
PATENT ASSIGNEE(S): Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1098088	A	19950201	CN 1993-111392	19930727 <--
PRIORITY APPLN. INFO.:			CN 1993-111392	19930727

AB Glutamic acid (I) is extracted from a supernatant solution or mother liquor by  
precipitation of I as I.Zn salt, separation of the upper phase and subject it to cation  
exchange, and recovery of the Zn ion from the cation-exchange resins.  
ZnSO4 was added to I mother liquor, NH3 was introduced to pH 6.3-6.5, the  
precipitated I.Zn was separated from the upper phase, which was passed through a  
cation-exchange resin and the liquid was discharged Zn-free and harmless to  
the environment. The precipitated I.Zn was dissolved in H2O and acidified to pH  
2.4 to recover crystalline I. The Zn-adsorbed resins were eluded with 8-12%  
H2SO4 to recover Zn2+ for recycle.  
IT 15322-33-5  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(Zinc-free extraction of glutamic acid)  
RN 15322-33-5 CAPLUS  
CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX  
NAME)





L6 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1989:522751 CAPLUS  
 DOCUMENT NUMBER: 111:122751  
 TITLE: Bath for electrodeposition of a gold-copper-zinc alloy  
 INVENTOR(S): Emmenegger, Heinz  
 PATENT ASSIGNEE(S): Engelhard Industries Ltd., UK  
 SOURCE: Eur. Pat. Appl., 9 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 304315	A1	19890222	EP 1988-307696	19880819 <--
EP 304315	B1	19930303		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 86313	E	19930315	AT 1988-307696	19880819 <--
US 4980035	A	19901225	US 1989-382011	19890717 <--
PRIORITY APPLN. INFO.:			CH 1987-3226	A 19870821
			US 1988-233704	B1 19880818
			EP 1988-307696	A 19880819

OTHER SOURCE(S): MARPAT 111:122751

AB The bath contains CN- complexes of Au, of Cu and of Zn, a surface-active agent and a soluble Te and/or Bi salt. It may also contain a non-cyanide organic Zn complex, and a conductive salt and/or an alkali metal or ammonium cyanide. Deposits formed from the bath are corrosion resistant.

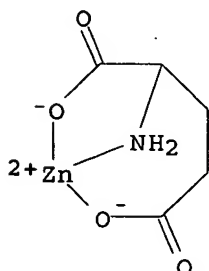
IT 15322-33-5

RL: PRP (Properties)

(electrodeposition of gold-copper-zinc alloys from baths containing)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1989:476382 CAPLUS  
 DOCUMENT NUMBER: 111:76382  
 TITLE: Method for the determination of IgM and IgA immunoglobulins using zinc salts  
 INVENTOR(S): Ben-Michael, Abraham  
 PATENT ASSIGNEE(S): Savyon Diagnostics Ltd., Israel

SOURCE: Eur. Pat. Appl., 8 pp.  
 .. CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

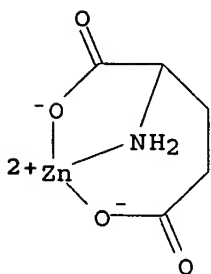
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 261493	A2	19880330	EP 1987-113092	19870908 <--
EP 261493	A3	19890823		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 63133064	A2	19880604	JP 1987-225143	19870908 <--
NO 8703767	A	19880324	NO 1987-3767	19870909 <--
FI 8704080	A	19880324	FI 1987-4080	19870918 <--
DK 8704947	A	19880324	DK 1987-4947	19870921 <--
PRIORITY APPLN. INFO.:		IL 1986-80129	A	19860923

AB A method for the determination of IgM and IgA antibodies in blood serum involves removing the IgG and rheumatoid factor (RF) by precipitation with Zn<sup>2+</sup>, separating the liquid from the precipitate, and testing the liquid for IgM and IgA antibodies by immunoassay. Zn diglycinate (I) was prepared by treating ZnO with glycine, and adding Zn(OAc)<sub>2</sub>. Human serum was tested by the immunoperoxidase assay (IPA) for the presence of antibodies to Chlamydia trachomatis; the IgG titer was 1:512 and no IgM was detected. The sample was diluted 1:10 with Tris to give 200 µL solution, an equal volume of 0.5 M I was added, and the sample was vortexed, and stored at 4° for 1 h. The sample was centrifuged and the liquid was subjected to the IPA. No IgG was detected, whereas the IgM titer was 1:128 and the IgA titer was 1:64. About 20% of the IgM and 15% of the IgA originally present in the sample were removed by the I treatment. When the same test was repeated using protein A as the precipitation reagent, the IgM titer was 1:128 and the IgA titer was 1:16.

IT 15322-33-5  
 RL: BIOL (Biological study)  
 (precipitation by, of IgG antibody and rheumatoid factor, for determination of IgM and IgA antibodies in blood serum)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1986:181241 CAPLUS

DOCUMENT NUMBER: 104:181241

TITLE: Computer simulation models for the low-molecular-weight complex distribution of cadmium(II) and nickel(II) in human blood plasma

AUTHOR(S): Cole, Alun; Furnival, Christopher; Huang, Z. X.; Jones, D. Ceri; May, Ppeter M.; Smith, Gillian L.; Whittaker, Jill; Williams, David R.

CORPORATE SOURCE: Inst. Sci. Technol., Univ. Wales, Cardiff, CF1 3XF, UK

SOURCE: Inorganica Chimica Acta (1985), 108(3), 165-71  
 CODEN: ICHAA3; ISSN: 0020-1693

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A computer simulation investigation into the nature of Cd(II) and Ni(II)

binding by low-mol.-weight ligands in human blood plasma is described. The distribution of these metal ions among the complexes formed with nearly 50 ligands was computed. The most important formation consts. required for the calcns. were determined exptl. under biol. conditions. The predominant complexes formed by Cd(II) are binary cysteinate species, whereas Ni(II) exists mainly as a ternary complex involving both cysteinate and histidinate.

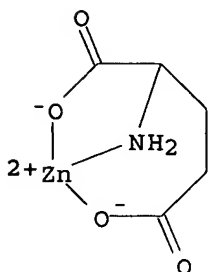
IT 15322-33-5

RL: FORM (Formation, nonpreparative)

(formation of, in human blood plasma, computer simulation models for)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1983:67492 CAPLUS

DOCUMENT NUMBER: 98:67492

TITLE: Histamine as a ligand in blood plasma. Part 6.

Aspartate and glutamate as possible partner ligands for zinc and histamine to favor histamine catabolism

AUTHOR(S): Berthon, Guy; Germonneau, Philippe

CORPORATE SOURCE: Lab. Chim. Electrochim. Interact., Poitiers, F-86022, Fr.

SOURCE: Agents and Actions (1982), 12(5-6), 619-29

CODEN: AGACBH; ISSN: 0065-4299

DOCUMENT TYPE: Journal

LANGUAGE: English

AB It has been proposed that any partner ligand for Zn and histamine (I) in which raising its plasma concentration would entail a better mobilization of I into neutral diffusable metal complexes would favor I catabolism. Such a role was envisaged for aspartate and glutamate, and their efficiency in this respect was tested by computer simulations, using the equilibrium consts. of the corresponding Zn-I-aspartate and Zn-I-glutamate complexes determined under standard plasma conditions. Aspartate and glutamate plasma concns. would have to be raised 1000- and 400-fold over their resp. normal levels before the combination of each of these amino acids with Zn would become more efficient than the effect of Zn alone.

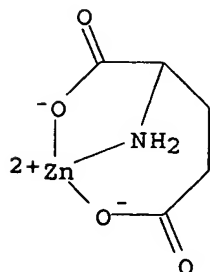
IT 15322-33-5

RL: PRP (Properties)

(formation constant of)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

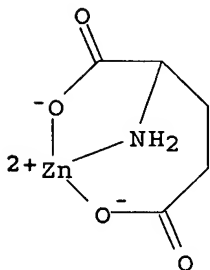
ACCESSION NUMBER: 1971:83161 CAPLUS  
DOCUMENT NUMBER: 74:83161  
TITLE: Computed distribution of copper(II) and zinc(II) ions among seventeen amino acids present in human blood plasma  
AUTHOR(S): Hallman, P. S.; Perrin, Douglas D.; Watt, Ann E.  
CORPORATE SOURCE: John Curtin Sch. Med. Res., Aust. Natl. Univ., Canberra, Australia  
SOURCE: Biochemical Journal (1971), 121(3), 549-55  
CODEN: BIJOAK; ISSN: 0264-6021  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The equilibrium distribution of Cu(II) and Zn(II) ions among a mixture of 17 amino acids was computed from stability-constant and blood-plasma-composition data. At pH 7.4, 98 of the Cu(II) in the simulated plasma solution is coordinated to histidine and cystine, predominantly as mixed-ligand complexes. Approx. half of the Zn(II) is coordinated to cysteine and histidine, but appreciable complex-formation occurs with most of the other amino acids. Stability consts. are given for Cu(II) and Zn(II) amino acid complexes, including some mixed-ligand species, at 37° and I = 0.15M.

IT 15322-33-5, Zinc, (L-glutamato)-  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)  
(of blood plasma)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1970:459668 CAPLUS  
DOCUMENT NUMBER: 73:59668  
TITLE: Solubility and properties of equilibrium solutions in the sodium L-glutamate-zinc chloride-water system  
AUTHOR(S): Potemko, L. I.; Bakasova, Z. B.; Druzhinin, I. G.  
CORPORATE SOURCE: Inst. Org. Khim., Frunze, USSR  
SOURCE: Izvestiya Akademii Nauk Kirgizskoi SSR (1969), (5), 56-61  
CODEN: INKSAD; ISSN: 0002-3221

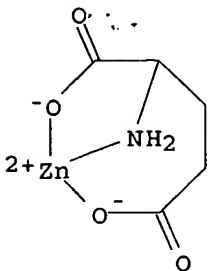
DOCUMENT TYPE: Journal  
LANGUAGE: Russian

AB In the above system, the formation of two new compds., Zn di-Na diglutamate and Zn glutamate, was ascertained. The compds. were isolated, and their phys. properties (d., n, solubility, dissociation constant, ir spectra, and x-ray patterns) were measured.

IT 15322-33-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)-κN,κO1,κO5]- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1954:61567 CAPLUS

DOCUMENT NUMBER: 48:61567

ORIGINAL REFERENCE NO.: 48:10937b-c

TITLE: The effect of zinc compounds upon blood sugar

AUTHOR(S): Weitzel, Gunther; Stracker, Franz Josef; Roester, Ursula

CORPORATE SOURCE: Max Planck Ges., Gottingen, Germany

SOURCE: Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (1953), 292, 286-302

CODEN: HSZPAZ; ISSN: 0018-4888

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB The following Zn salts were injected intravenously into dogs at doses from 1 mg. to 0.001  $\gamma$ /kg. body weight, and their influence upon the blood-sugar content (I) was observed: Cl-, SO<sub>4</sub>--, OAc-, pyrophosphate gluconate, glucuronate, maleate, pyruvate, citrate, tartrate, malate, and ascorbate. The Zn complexes (II) of glycine, alanine, and glutamic acid were given in doses from a few mg./kg. down to 0.0001  $\gamma$ /kg. The N-free salts raised I initially but caused no recurrence. Severity was independent of dosage. II in doses above 1 mg./kg. caused toxic hyperglycemia and glycosuria. Strongly complexed Zn was ineffective in raising I.

IT 15322-33-5, Glutamic acid, zinc derivative  
(effect on blood sugar)

RN 15322-33-5 CAPLUS

CN Zinc, [L-glutamato(2-)- $\kappa$ N, $\kappa$ O1, $\kappa$ O5]- (9CI) (CA INDEX NAME)

